

Abstract

A color solid-state image pickup device comprises a plurality of light-receiving sections being arranged on the surface of a semiconductor substrate; complementary color
5 filters which are stacked on all or portions of the plurality of light-receiving sections, each complementary color filter blocking incident light of one color of the three primary colors, to thereby permit transmission of incident light of remaining two colors; at least first and second color signal detecting
10 layers which have the complementary color filters stacked thereon and are formed so as to be separated in a depthwise direction of the light-receiving section, the first and second signal detecting layers detecting a respective color signal of the light of two colors having passed through the
15 complementary color filters; and a signal reading unit for reading the respective color signals in a distinguished manner, the signal reading unit being connected to the respective color signal detecting layers.